PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

То:			PCT				
Se	ee form PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
1			(F	PCT Rule 43 <i>bis</i> .1)			
			Date of mailing (day/month/year) see	e form PCT/ISA/210 (second sheet)			
Applicant's or a see form PC	gent's file reference CT/ISA/220		FOR FURTHER A				
International ap		International filing date (c 07.04.2004	l lay/month/year)	Priority date (day/month/year) 07.04.2003			
International Pa C09K11/465		both national classification	and IPC				
Applicant MCMASTER UNIVERSITY							
1. This opinion contains indications relating to the following items: □ Box No. I □ Basis of the opinion □ Box No. II □ Priority □ Box No. III □ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability □ Box No. IV □ Lack of unity of invention □ Box No. V □ Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement □ Box No. VI □ Certain documents cited □ Box No. VII □ Certain defects in the international application □ Box No. VIII □ Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
Name and mai	ing address of the ISA:		Authorized Officer	no Films.			

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JC09 Rec'd PCT/PTO 07 OCT 2005,

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CA2004/000527

_								
_	Box	N	o. I Basis of the opinion					
1.	With the	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.						
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).							
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:							
	a. type of material:							
]	a sequence listing					
			table(s) related to the sequence listing					
	b. format of material:							
		3	in written format					
]	in computer readable form					
	c. time of filing/furnishing:							
)	contained in the international application as filed.					
]	filed together with the international application in computer readable form.					
)	furnished subsequently to this Authority for the purposes of search.					
3.		has	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional poles is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.					
4.	Addi	itior	nal comments:					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CA2004/000527

_	Во	x No. II	Priority	· · · · · · · · · · · · · · · · · · ·				
1.	. The following document has not been furnished:							
	copy of the earlier application whose priority has been claimed (Rule 43 <i>bis</i> .1 and 66.7(a)).							
	- and 66.7(0)).							
	Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.							
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.							
3.	3. Additional observations, if necessary:							
_		c No. V ustrial a	Reasoned statem applicability; citation	ent und is and o	ler Rule 43 explanation	bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement		
1.	Stat	tement						
Novelty (N) Yes: Claims 1-26				1-26				
		- · · · · · · · · · · · · · · · · · · ·		No:	Claims	. 20		
	Inventive step (IS)		Yes:	Claims	1-26			
	, , ,		No:	Claims				
	Industrial applicability (IA)		Yes:	Claims	1-26			
				No:	Claims			
2.	Cita	tions ar	d explanations					
	see	separa	te sheet					
_	Box No. VI Certain documents cited							
1.	Cert	ertain published documents (Rules 43bis.1 and 70.10)						
	and	/or						
2.	Non-written disclosures (Rules 43bis.1 and 70.9)							

see form 210

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/CA2004/000527

Non of the cited documents disclose an electroluminescent red emitting phosphor compound having the given formula in claim 1 of the current application. Likewise, the display device comprising the same and the method of production thereof are also not disclosed. Hence the subject matter of claims 1-26 is novel under Article 33(2) PCT.

Phosphor compound of claim 1 has a relatively low temperature for annealing with respect to the known EL materials, which renders less restrictions for the choice of substrates. In addition to this, the operation voltage for the claimed compound is lower than that of other commercially available phosphors, yet providing red emission with good efficiency. Thus, the subject matter of claims 1-26 involves an inventive step under Article 33(3) PCT.